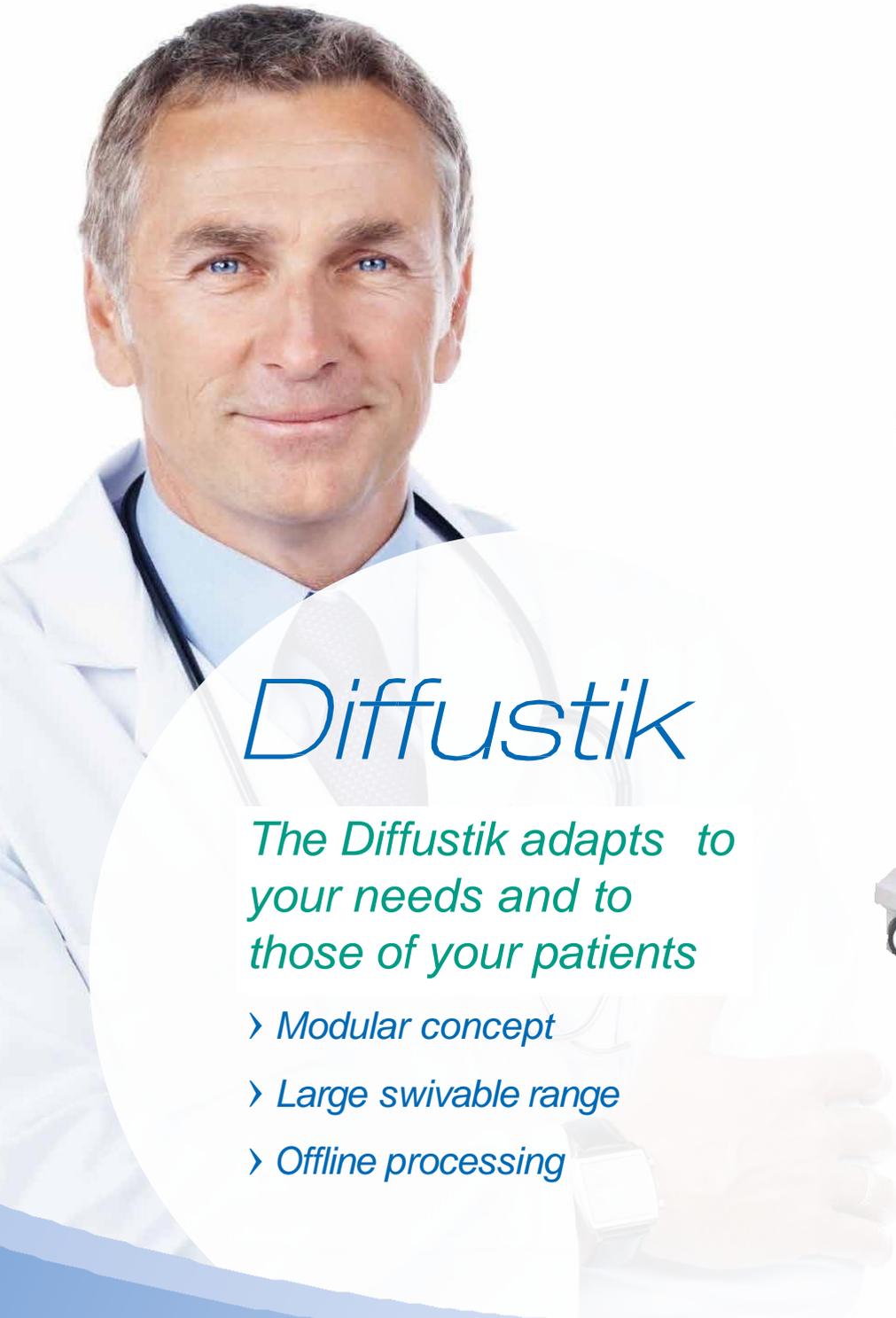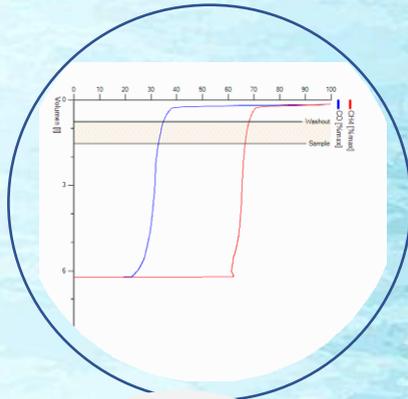# SANARE MEDICAL

The flexible CO diffusion

Diffustik

The Diffustik adapts to your needs and to those of your patients

› *Modular concept*

› *Large swivable range*

› *Offline processing*

Diffustik

Responsiveness and precision – the basis for accurate CO diffusion testing

Modular concept
The CO diffusion can be extended with additional options such as MIP/MEP and ROCC or integrated in the Bodystik system

Gas/volume screen presentation
The evaluation of distribution disorders is possible by showing CO/CH4 over exhaled volume.

Large swivable range
The height of the measuring apparatus can be adjusted quickly over a large swivable range and allows measuring in standing and sitting position.

Offline processing
The manual correction of washout and sample volume allow valid results even in difficult tests.

System solution
Devices and review work- stations can easily be combined to a productive total system and can be networked via GDT or HL7 interface in the local PMS/HIS.

upward and down- ward swivable by approximately 60 degrees

Patient cooperation feedback
The quality of a maneuver is evaluated according to ATS/ ERS criteria and feedback is given to patient cooperation.

State-of-the-art software for pulmonary function diagnostic

Blue Cherry™ uses a powerful SQL database to store data. This allows Diffustik™ to either be optimally integrated in a complex network environment or to be used as a single-user solution CO diffusion.

o *Easy installation*

o *Clear and well layed out screen presentation*

o *Easy and flexibly upgradable*

o *GDT and HL7 interfaces*

o *Networkable*

o *Powerful SQL database for secure data management and statistical evaluations*

o *WYSIWYG report generator*

Diffustik™

Technical data

Tests	
Test programs	Spirometry, Flow-volume, CO-Diffusion, MVV
Test procedures	Individual test, Pre/Post, Broncho provocation
Options	MIP/MEP, Compliance, Rocc/Rint

Interpretation	
Diagnosis	(Semi-)automatic according to ATS/ERS 2005
	Proprietrary interpretation graph
Quality control	Acceptability and Repeatability according to ATS/ERS 2005
Predicted sets	GLI 2012, ECCS 1993, NHANES Ⅲ, Zapletal etc.
Predicted presentations	Predicted, LLN, ULN, % Predicted, Z Score

Test electronic	
PC interface	USB 2.0
Power supply	100 - 240 V / 50 - 60 Hz / max. 120 VA
Software	Blue Cherry (requires Windows XP SP2 or newer version)

Sensors	
Flow	Differential pressure (Ergoflow)
	± 16 L/s, Accuracy meets all ATS/ERS specifications
Mouth pressure	Semiconductor
	± 25 KPa, Accuracy ± 0,25 % FS
CO	Infrared absorption
	0 - 3500 ppm, Linearity < 1%, Reproducibility < 0,5%
CH4	Infrared absorption
	0 - 3500 ppm, Linearity < 1%, Reproducibility < 0,5%

Geratherm Respiratory GmbH is a subsidiary of Geratherm Medical AG. All products of Geratherm Respiratory GmbH meet ATS/ERS criteria and other applicable international standards and guidelines. Geratherm Respiratory GmbH is certified according to DIN EN ISO 13485

Accessories

Neumofilt
Item code:
10.003

3l-Syringe
Item code:
10.801

SANARE MEDICAL

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